**IT Applications Unit 3, AOS 1, Online Communities**

1. Complete the following, from pgs, 18-28: **Network hardware and software**

**Networks are classified according to below and we will study the following:**

1. **Network Categories: LAN, WAN**
2. **Network Architecture, client-server; peer-to-peer; internet peer-to-peer; intranet**
3. **Network communication standards**
4. **Network hardware and software**
5. **Transmission media**
6. **Network security**

**Network hardware and software**

**Network Operating systems**

1. Describe the role of the network operating system.
2. What are the typical tasks of network server software?
3. What is the role of network client software?
4. List the 3 providers of network operating systems.

**Web client software**

1. List the typical client software

**Software for setting up websites**

1. Describe the role of http protocol.
2. What is the role of web server software?
3. What is the role of a proxy server?
   1. What are the advantages of using a proxy server?
4. Describe the role of the following software:
   1. SMTP
   2. POP3
   3. FTP
   4. Web software applications

**Cross-platform web software**

1. What is meant by a Cross-platform application? List egs.
2. What is adobe flash?

**Network Hardware**

Describe the characteristics and role of the following network hardware devices:

1 Network interface card

2 Wireless access point

3 Switches

4 Routers

5 modems

For each of the following modem types, in a table indicate the following:

Modem download speed

i) dial up modem

ii) digital modems:

* + 1. DSL
    2. ADSL & ADSL 2 +

iii) cable modems

6 How does a digital modem differ from a dial-up modem?